

**Work Order ID 116301**

Thursday, April 10, 2014 10:44:25 AM

**\*116301\***

Page 1

Item ID: D4728-059 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Cabin Lights Harness  
Start Date: 4/10/2014 Start Qty: 2.00 **\*2\*** Cust Item ID:  
Required Date: 5/9/2014 Req'd Qty: 2.00 **\*2\*** Customer:  
Reference:

Approvals: Process Plan: C2 Date: 14/04/10 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4728	D								

110

0.00

**\*110\***

Outsource8

Memo

0.00

Outsource process- Eagle

Issue P/O to Eagle : 23736  
Manufacture as per dwg  
Certificate of conformity required

C2 14/04/10 \$

120

Receive &amp; Inspect for Damage &amp; Mat'l Certs

0.00

**\*120\***

Packaging

Memo

0.00

Packaging

Inspect and check certificate of conformity

5x 8014-6-9

130

QC6- Inspect dimensions to drawing

0.00

**\*130\***

QC

Memo

0.00

Quality Control

DAS  
27  
9-8  
14/6/9

S

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>
--	--	---

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other
--	--	---	--

# Work Order ID 116301

\*116301\*

Page 2

Thursday, April 10, 2014 10:44:25 AM

Item ID: D4728-059 Accept \*N900040100\* Setup Start \*NS1\*  
 Revision ID: Stop \*NS2\*  
 Item Name: Cabin Lights Harness  
 Start Date: 4/10/2014 Start Qty: 2.00 \*2\* Cust Item ID:  
 Required Date: 5/9/2014 Req'd Qty: 2.00 \*2\* Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start \*NR1\*  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	Identify as per dwg & Stock Location: <i>MF</i>	0.00				<i>5X</i>	<i>DAS</i> <i>28</i> <i>9-89</i>		<i>JUN 09 2014</i>
<b>*140*</b>	Memo	0.00							
Packaging									
Packaging									
150	QC21- Final Inspection - Work Order Release	0.00							
<b>*150*</b>	Memo	0.00							
QC									
Quality Control									

*MCJ 14-06-10*  
*#14-6-10*

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

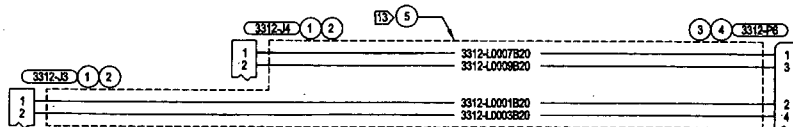
QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

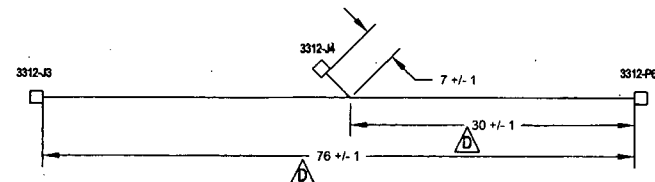
Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Design											
Doc/Data											
Equip/Tooling											
Handling/Pre											
Material											
Operator											
Offset/Setup											
Process											
Supplier											
Training											
Transport											
Unapproved											

FAULT CATEGORY			
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other

LIST OF MATERIALS					
QTY PER	ITEM	PART NUMBER	DESCRIPTION	SUPPLIER	
	2	1	1-480303-0	CONNECTOR	TYCO ELECTRONICS
	A/R (4)	2	60617-1	CONTACTS	TYCO ELECTRONICS
	1	3	1-480426-0	CONNECTOR	TYCO ELECTRONICS
	A/R (4)	4	60618-1	CONTACTS	TYCO ELECTRONICS
	A/R (77)	5	XPF-1/4	EXPANDABLE SLEEVING	EDMO



**D4728-059 CABIN LIGHTS HARNESS ASSY.**



**D4728-059 CABIN LIGHTS  
HARNESS VIEW**

CL 14/04/10  
W10:116301

**NOTES:**

- ALL NEW UNSHIELDED WIRE USE M22759/41-xx-9 TYPE WIRE UNLESS OTHERWISE SPECIFIED (M22759/41-XX-X IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS. SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR).
- ALL NEW TWISTED SHIELDED CABLE USE M27500-xxTGxT14 TYPE CABLE UNLESS OTHERWISE SPECIFIED.
- ALL WIRES 20 AWG UNLESS OTHERWISE SPECIFIED.
- IDENTIFY/CODE ALL WIRES AND CABLES IN ACCORDANCE WITH 39-A-AWDP-00-X WIRING DATA PUBLICATION.
- KEEP ALL JUMPERS, LOGIC STRAP, POWER, CHASSIS AND SIGNAL GROUND WIRES AS SHORT AS POSSIBLE.
- ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH 39-A-AWDP-00-X WIRING DATA PUBLICATION.
- ALL ELECTRICAL GROUNDING AND BONDING TO BE INSTALLED IN ACCORDANCE WITH 39-A-AWDP-00-X WIRING DATA PUBLICATION.
- ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH 39-A-AWDP-00-X WIRING DATA PUBLICATION.
- ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/sockets OR PLASTIC GROMMET SEALING PLUGS.
- A DOT (\*) BEFORE A CONNECTOR CONTACT LETTER DENOTES LOWER CASE.
- UNITS: INCHES UNLESS OTHERWISE NOTED.
- IDENTIFY CONNECTORS WITH SHRINK SLEEVE LABELS.
- EQUIVALENT PARTS ARE ACCEPTABLE TO USE.

RELEASED  
2014-01-22

DESIGN	DA	<b>DART AEROSPACE LTD</b>	
DRAWN	DA	HAWKESBURY, ONTARIO, CANADA	
CHECKED	SE	DRAWING NO.	REV. D
MFG. APPR.	LI	D4728	SHEET 13 OF 15
APPROVED	SE	TITLE	SCALE
DE APPR.	SE	UTILITY INTERIOR WIRING HARNESS	NTS
DATE	14.01.09	<small>COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO23736

Purchase Order Date 4/9/2014

PO Print Date 4/29/2014

Page Number 3 of 6

Order From : VU-EAG002

EAGLE COPTERS MAINTENANCE LTD.  
823 MCTAVISH ROAD N E  
CALGARY, AB T2E 7G9  
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 403-250-7370  
  
Ship To Contact  
Ship To Phone  
Ship Via: FedEx PI collect  
Ship Acct:

Buyer Michael Gregoire  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency USD  
FOB Destination-Collect

Line Total: \$1,750

6	D4728-059P	Cabin Lights Harness	7/9/2014 Yes 7/9/2014	5.00 Each	\$350.00	\$1,750
---	------------	----------------------	-----------------------------	--------------	----------	---------

\*\*\*NOTE\*\*\*  
Manufacture as per drawing D4728 rev.D  
B116301

8814-6-9

Line Total: \$1,750

7	D4728-061P	Cabin Lights Control Relay	5/9/2014 Yes 5/9/2014	5.00 Each	\$750.00	\$3,750
---	------------	----------------------------	-----------------------------	--------------	----------	---------

\*\*\*NOTE\*\*\*  
Manufacture as per drawing D4728 rev.D  
B116307

Signature: [Handwritten Signature]

Line Total: \$3,750

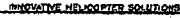
8	D4728-061P	Cabin Lights Control Relay	6/9/2014 Yes 6/9/2014	5.00 Each	\$750.00	\$3,750
---	------------	----------------------------	-----------------------------	--------------	----------	---------

\*\*\*NOTE\*\*\*  
Manufacture as per drawing D4728 rev.D  
B116308

Signature: [Handwritten Signature]

Note:

4/29/2014



Work Order Number: 51208

Cabin Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.*

Item: 6 CABIN LIGHTS HARNESS

**Squawk: 6.1**Discrepancy:Assemble D4728-059P As  
Per DWG D4728 Rev. D  
B116301Resolution:Assembled D4728-059P As  
Per DWG D4728 Rev. D  
B116301. Continuity tested  
serviceable.**6.1** Work Done By: Eric OlbergParts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480303-0	CONNECTOR		LT-14-002352	New	2
1-480426-0	CONNECTOR		LT-14-006392	New	1
60617-1	CONTACT		LT-14-002050	New	6
60618-1	CONTACT		LT-14-001971	New	4
XPF-1/4	EXPANDABLE SLEEVING		LT-14-006249	New	8

**Squawk: 6.2**Discrepancy:Assemble D4728-059P As  
Per DWG D4728 Rev. D  
B116301Resolution:Assembled D4728-059P As  
Per DWG D4728 Rev. D  
B116301. Continuity tested  
serviceable.**6.2** Work Done By: Eric OlbergParts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480303-0	CONNECTOR		LT-14-002352	New	2
1-480426-0	CONNECTOR		LT-14-006392	New	1
60617-1	CONTACT		LT-14-002050	New	6
60618-1	CONTACT		LT-14-001971	New	4
XPF-1/4	EXPANDABLE SLEEVING		LT-14-006249	New	8

**Squawk: 6.3**Discrepancy:Assemble D4728-059P As  
Per DWG D4728 Rev. D  
B116301Resolution:Assembled D4728-059P As  
Per DWG D4728 Rev. D  
B116301. Continuity tested  
serviceable.**6.3** Work Done By: Eric OlbergParts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480303-0	CONNECTOR		LT-14-002352	New	2
1-480426-0	CONNECTOR		LT-14-006392	New	1
60617-1	CONTACT		LT-14-002050	New	6
60618-1	CONTACT		LT-14-001971	New	4
XPF-1/4	EXPANDABLE SLEEVING		LT-14-006249	New	8

\*\*\*\*\* Original Maintenance Releases and Independent Control Inspection details are stored electronically at \*\*\*\*\*

\*\*\*\*\* Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software \*\*\*\*\*



Work Order Number: 51208

Cabin Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 6.4**Discrepancy:

Assemble D4728-059P As  
Per DWG D4728 Rev. D  
B116301

Resolution:

Assembled D4728-059P As  
Per DWG D4728 Rev. D  
B116301. Continuity tested  
serviceable.

**6.4** Work Done By: Eric OlbergParts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480303-0	CONNECTOR		LT-14-002352	New	2
1-480426-0	CONNECTOR		LT-14-006392	New	1
60617-1	CONTACT		LT-14-002050	New	6
60618-1	CONTACT		LT-14-001971	New	4
XPF-1/4	EXPANDABLE SLEEVING		LT-14-006249	New	8

**Squawk: 6.5**Discrepancy:

Assemble D4728-059P As  
Per DWG D4728 Rev. D  
B116301

Resolution:

Assembled D4728-059P As  
Per DWG D4728 Rev. D  
B116301. Continuity tested  
serviceable.

**6.5** Work Done By: Eric OlbergParts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480303-0	CONNECTOR		LT-14-002352	New	2
1-480426-0	CONNECTOR		LT-14-006392	New	1
60617-1	CONTACT		LT-14-002050	New	6
60618-1	CONTACT		LT-14-001971	New	4
XPF-1/4	EXPANDABLE SLEEVING		LT-14-006249	New	8

\*\*\*\*\* Original Maintenance Releases and Independent Control Inspection details are stored electronically at \*\*\*\*\*

\*\*\*\*\* Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software \*\*\*\*\*